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Multi-functional Platform

Model No.：M-2.0

- MANUAL-

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- Do not move the equipment by pulling the handpiece;
- Do not use the equipment in inflammable and explosive environment;
- Do not use alcohol or acetone before treatment;
- Do not start operating before the handpiece dry enough after clean the handpiece or other parts of the equipment.

Ⅴ.TABOO

The following people are not suitable to be operated by the machine:

1. pregnant, high blood pressure, heart attack, diabetic;
2. allergic to IPL;
3. open wound parts;
4. people who could not avoid strong sun light;
5. scar, birthmark, or mole higher than the skin
6. People who changed skin shortly;

Ⅵ.Attentions After Treatment

1. Not using irritative makeups;
2. No hot water face wash or sauna in 7 days;
3. No stimulating food or pigmentary food as chocolate, coffee; no smocking; no drinking;
4. No scratch in case of scabbing;
5. Make a water replenishing care in 10 days.

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Ⅰ.Brief Introduction

M-2.0 is an all around multi-functional platform, applying the latest core technique (IPL, RF, YAG laser) of the medical cosmetology , it integrated the three systems, an IPL system, a RF system and a YAG laser system all together on one platform. The controlling system of M-2.0 applied the Linux embedded technique, the core board adopted the Mrico2440 board, operation of the system real intelligent. It uses 10.4" TFT true color touch screen. It also sets dual displaying system with a VGA connector.

1. Principle

E-light: Applying the technique of IPL and Bi-polar Radio Frequency, the equipment acts on the entire skin corium and connective tissue, stimulates the collagens of different depth to realign and grow, then gets treatment effect. Bio-polar RF release energy at the same time, with the selective absorption for the skin to light energy, various pathological tissues of corium and epidermis creates Photothermolysis effect. Since light energy is far below conventional IPL, the pigment tissue and vascular pathological tissue of the corium and epidermis would absorb more energy without injuring the epidermis, and then remove these pathological tissues better and get the effect.

Bipolar RF: The system adopts a capacity coupling electrode to deliver radio waves and create an electric field passing through deliver radio waves and create an electric field passing through the skin layer

and getting into the hypodermia. The electric field exchanges the polarity 5 million times/second under high frequency of 5 MHz. To respond the extreme speed of electrode, particle charging particle of skin have to exchange directions in the same frequency, by which natural electric resistance of the hypodermia moves and creates heat energy. With the feature that derma collagen extends, recombines and reproduces when the temperature reaches to 60℃-70℃, the skin gets tightened and wrinkles get removed.

YAG: Adopting the Q-Switched ND: YAG model, the equipment uses laser to emit high energy instantaneously which smashing the pigment of pathological tissues, namely the laser leading explosive effect: High energy emits instantaneously, making particular wavelength laser penetrating epidermis and getting into pathological pigment tissues in only 6nms. Then pigments expand in top speed and explode. The superficial epidermis would be bounded out of body, other part of the pigments would split into granules which would be engulfed by macrophages, then exclude by the lymphatic system finally. The pigment becomes shallow gradually finally disappear while the surrounding normal skin tissues keep sound as they do not absorb particular wavelength laser.

2. Application Range

1. Hair Removal: armpit hair, hairline, beard, whiskers, lip hair, body hair, bikini hair or any other unwanted hair.

2. Skin rejuvenation: Whole body lightening and photo-rejuvenation

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【Alarms of Strong IPL】

- IPL may hurt the eye or cause burns or fire, take all necessary prevention measures before operating;
- Emitting too much light to one part may burn the skin which may cause pigmentation;
- Do not watch the IPL light directly from the handpiece even wearing protective glasses;
- Do not emit the light to the air; keep the handpiece on the hanger when not using it.

Do not watch the IPL light directly from the handpiece even wearing protective glasses;

- Do not emit the light to the air; keep the handpiece on the hanger when not using it.

4.2. Electricity & Machinery Safety

- Keep all the boards closed, open the board may bring danger;
- There is high voltage electricity inside, some parts still carry electricity even after turn off the power, therefore, do not dismantle the backboard without under supervising by our technicians;

Alarming: All strong pulsed light device may cause hurt by improper handling. Operators should keep vigilant and take necessary protection measures according to the manual.

Operatee: Carry out the treatment in the professional treatment room; take effective eye protecting measure;

Operator: wearing protective glasses;

Treatment room：marked the treatment room clearly with in operating of IPL.

To ensure to the safe use of the equipment, please read the following instructions carefully.

No one except technician authorized by the manufacture could

- dismantle or repair the equipment, especially for the power source, handpiece; high voltage electricity inside;
- Voltage rating: 110-120V;
- Maintaining the equipment after disconnecting the power cord;
- Keep the handpiece clean all the time; do not let the gel leaking into the handpiece;
- In case leaking of the handpiece, do not start the equipment; already started, turning off immediately;
- No emitting light to one area repeatedly, otherwise may cause inflaming or burns, and may leave pigmentation.

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3. Removing freckle, Chloasma, age pigment, sunburn, chorioplaque,

4. Removing red capillary, vascular

5. Wrinkle removal: Removing true wrinkle, pseudo-wrinkle

6. Specialized in removing coffee, brown and other colorized tattoos.

7. Effectively remove all kinds of embroider eyebrow, soak lip, eye line, and lip line.

3. System Self-checking

The circuit of system entering the self-checking situation when the machine starts, leave the machine carry on the self-checking for 5-10 seconds, then continue the operation.

4. System Classification

Electric shock protection：Grade1

BF Grade

Corrosion prevention liquid：ordinary

Do not use the machine in the environment mixed of flammable narcotic and air or nitrogen oxide mixture.

5. Equipment Consist, Specification, & Accessory List

1. Equipment Consist:

1.1. Mainframe

A. Power supply system

B. Microcomputer system

C. Monitor

D. Cooling System

1.2. E-light handpiece

A. Intense pulsed light source, xenon lamp

B. Reflector and filter

C. Sapphire wave guide

1.3 Yag Laser handpiece

1.4 RF handle

2. Technique Specification

- IPL Power: 1000W
- RF Intense Electric Energy: 5MHz
- YAG Energy: 120-1500 mj/CM2
- YAG Frequency: 1-6Hz
- Light Energy: 15-50J/cm2
- Pulse Amount: 1-6
- Pulse Width: 1-10 ms
- Pulse Delay: 1-100 ms
- Repeat frequency: 1-4s
- RF working time: 50-2500 ms
- Spot size: 15x50mm
- Filters: 430nm,530nm,560nm,640nm,690nm
- N.W.: 60kg
- Dimension: 560mm×580mm×1120mm
- Voltage: 230V±10%,110V± 10%, 50~60Hz

Ⅳ. Safety Notice

4.1. Safety of S800

The equipment takes maximum consideration of the safety of both operator and operatee in the designing, the following are some safe measures of it:

- Ø Circuit self-checking after machine starting;
- Ø Using filter/light guide crystal, strong pulse light comes out only from the front side of the handpiece.
- Ø Designed with independent safety circuit, electricity could be shut down automatically when the IPL power is to high;
- Ø Emergency stop switch, shut down the power in emergency;
- Ø Key switch to avoid starting the machine by any people;
- Ø Use high quality engineering plastic frame, preventing electricity creepage.

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3.7.2 Skin rejuvenation: Strong pain under the patient limit, reddish; redness disappear in 10 minutes. No suggesting repeat operation.

Parameter control: Long pulse width, long interval, high energy.

【Alarm】

3.7.3 Acne scar: Patient would have a strong pain (under the limit of patient). Pigmentation will decline in 3-7 days.

Parameter control: Long pulse width, short interval, high energy.

3.7.4 Vascular, redness: Using high pulse width on the basis of easing the skin.

Parameter control: Long pulse width, long interval, suitable energy.

3.7.5 Freckle, pigmentation: strong pricking for the first treatment (under the tolerance of the patient). One minute after receiving emitting, there will be slight reddish, which will fade away in 10 minutes, (for someone special, maybe 30 minutes). Punctuate pigment will appear on the surface of skin and will be metabolized in 3-7 days.

Parameter control: Long pulse width, short interval, medium energy.

3.7.6 Wrinkle removal and face lift-up: warmness, hotness ,swelling.

it will disappear in several hours; Only a handful of people can feel light swelling after treatment and it will disappear in 3-5 days;

3.7.7 Tattoo removal : shallow red or pink or slightly hollow, This phenomena will gradually disappear after several weeks or several months.

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4. Accessory List

No.	Item	Unit	Qty	Remark
1	Main frame	set	1	in the main case
2	E-light handle	pc	1	in the lateral foam box
3	Yag Laser handle	pc	1	In the lateral form box
3	RF handle	pc	1	in the lateral foam box
4	RF probe	pc	3	1 one handle, 2 in box
5	Filters	pc	5	in the filter box
6	Power Lead	pc	1	in the lateral foam box
7	Key Switch	pc	2	in the filter box
8	Goggles for Operator	pair	1	in the lateral foam box
9	Goggles for Patient	pair	1	in the lateral foam box
10	Spare Plugs & fuses	pc	2	in the lateral foam box
11	Water funnel	pc	1	in the lateral foam box
12	User Manual	pc	1	in the lateral foam box

Ⅱ. Standard Treatment Process

●Operation of IPL

1. Form filling

Fill in the blanks of the Client File, confirm the treatment program, and remind the client pay attention to some points before and after treatment.

2 .Face cleaning

Clean the face with gentle face cream for 3 minutes.

Remind: clean the hands of operator and the handpiece with bromogeramine.

3 .Preheating

Start the equipment after face cleaning; preheat for not less than 3 minutes (without lighting the xenon lamp).

4 .Shaving

Shave the unwanted hair of the treatment area(2 minutes).

5 .Gel coating

Coating the gel evenly (2-3mm) on the skin.

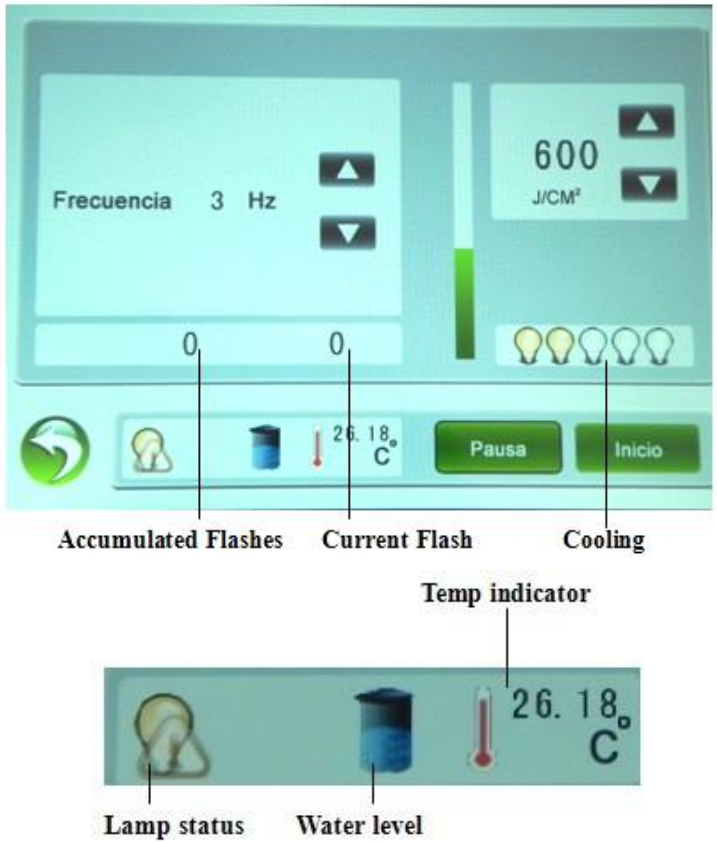
Effect： light guide, cooling, anaesthetisin.

Attention: no coating on eyes, eyebrows, lips.

6. Eye protection

Operator: wear the safety goggles.

Patient: close the eyes, wear professional safety goggles or cover the eyes with eye patch.



3.7 Treatment Advice

3.7.1 Hair Removal: Strong pain, follicular orifice will become a little reddish, with a burning smell. Caution for arms, lips, and legs hair removal; avoid pigmentation by over high energy. According to the growing period of hairs, growing period- maturation period-rest period, 3 times of treatment will remove the hair completely.

Parameter control: Long pulse width, long interval, suitable energy.

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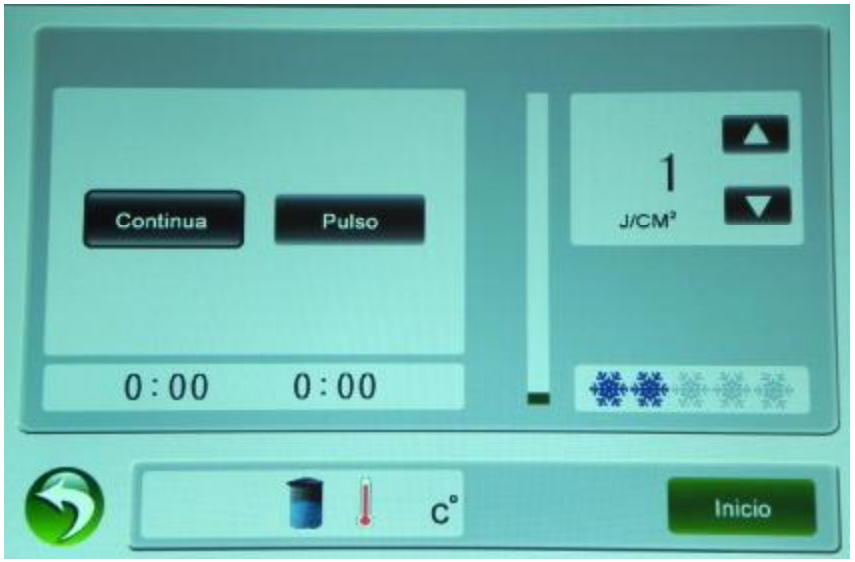
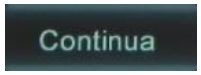
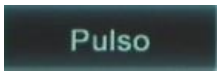
IPL energy adjusting

Cooling degree adjusting

RF treatment program interface







RF working mode

RF working time

Yag Laser Treatment Program Interface

YAG frequency adjusting

7 .Allergic test

Emit 2 or 3 light spots in the bottom of ears in safe parameter, observe for 3 minutes.

8. Move the light spot by one spot overlapping the upper 1/3 part of the previous spot.

No emitting one area repeatedly, otherwise may cause inflaming or burns.

8.1 The handpiece should touch the skin vertically, no over pressing or leaving the skin.

8.2 Observing the reaction of skin while operating.

9. Cold compress

Keep gel coating for 20 minutes after operation ending; carry out cold compress in obvious slight reddish reaction till reddish fading away.

Effect: do not continue to operate if there is an allergic phenomenon.

Carry on the operation with a suitable parameter to the patient.

10 .Cleaning

Clean the gel with cold water, coat corresponding cosmetics.

11 .Treatment Course

Skin Rejuvenation Program: 30-45 days/time (4 times/course)

Hair Removal Program: 2-3months/time (3times/course)

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●Operation of RF

All required things should get ready before the operation, such as a small bowl, drawing template, absorbent cotton, gel and alcohol cotton.

Operation begins after cleaning face

1. Smear the gel on the face about 1 mm.
2. The energy should be adjusted generally like this:

Adjust energy from 2 when you treat around eyes with the 10MM treatment head.

Adjust energy from 3 when you treat the face with 20MM treatment head.

Adjust energy from 4 when you treat the body with 40MM treatment head.

You must take the energy testing on the customer's sensitivity. It will be best when the customer feels a little hot. Please add the energy if customer have no feeling, but the energy must be added one by one!

You should turn up the refrigeration when customer feel hot but you don't want to reduce the energy.

3. The first treatment, keeping the treatment head moving as circle on the face in clockwise direction

From jaw to bottom of ear

From corner of mouth to middle of ear

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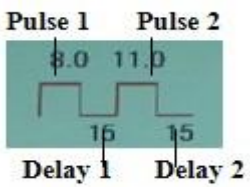
E-light Therapy selecting interface

There are five programs which could be selected: hair removal, skin rejuvenation, speckles, vascular, wrinkles. Select one program by clicking, the system will enter into the this program.

Click the program button enter into Treatment Program Interface



Pulse1：working time of the first pulse, 1-10ms adjustable.
Pulse 2 and Pulse 3：sub pulse width, 1-10ms adjustable.
Delay1: 1st pulse delay, interval between the 1st pulse and 2nd pulse.
Delay 2 and Delay 3: interval between two pulses.

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4. The second treatment, keeping the treatment head moving as a line on the face.
   From jaw to bottom of ear
   From corner of mouth to middle of ear
   Form side of nose to temple
   From down to up

Alerts: Press the red botton after you put the treatment head on the face while loosen it before take the treatment head away form the face. Keep two polars on the treatment head on the face at the same time all the time.

5. Change the 10mm treatment head on when you treat around eyes.
   Pay attention to keeping treatment head has a distance from the eyes.
6. Change the 20mm treatment head on when you treat forehead.
   Please moving the treatment from down to up if the wrinkle is thwartwise.
   Please moving the treatment from middle to left or right if the wrinkle is vertical.

Remarks:

A. Please repeat the treatment 3 to 5 times or keep a treatment lasting about 45- 60 minutes.
B. You could keep the gel on the face lasting half an hour after treatment.
C. The interval of two treatment is a week and 8 times is one course of the treatment.
D. The body treatment has the same way of face.

Face:

Keeping the patient's head second light. Start from the left cheek. Smear equably collagen 1 mm in thickness onto face. The collagen is

specially for dispelling wrinkle. Starting a test on sensitive part of the patient and adjusting the value to those that can make the patient feel heat. Refrigeration can be adjusted according to patient's skin sensitivity. If it is too hot, refrigeration can be adjusted up.

Around eyes:

From inner eye comer to tails of the eyes, strengthening the treatment

aiming at pouch, dark eye socket and fine wrinkle at canthus. According to the patient's reaction, increasing energy to that the patient can bear. One more treatment can be made if the problem around eyes is serious. When to cure part around eyes (the region between the upper and lower eyelids should be covered with absorbent cotton to prevent gel from going into the patient's eyes), it should be pressed lightly but not too forced (skin of ovular region is too thin). The treatment head should not be away from or touch thoroughly skin.

Forehead:

Using lift skill from eyebrow sides to hairline, from the bottom up, aiming at forehead wrinkle, (treatment head is parallel to grains)

aiming at forehead wrinkle, (treatment head is parallel to grains) grains like a Chinese character-川, the treatment should be strengthened. Operating on the other side after the comparison with uncured part.

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Handle Selecting interface

Click anywhere of the screen, the system will enter into the handle selecting interface. There are 3 options which could be selected by clicking: E-light, bipolar RF, YAG.

button is the language selecting button. Click the system will enter into the language selecting interface.

3.3.2 Make sure the key switch is in the off position;

3.3.3 Make sure the emergency stop switch is in the on position.

3.4 Starting the equipment

3.4.1 Connect the power cord, turn on the key switch;

3.4.2 Double confirm there is no leaking of water circulation, fold the protective cover by turning it right.

3.5. Debugging

3.5.1. Make sure water and electric circuit is correct connected; then turn on the power to start the machine.

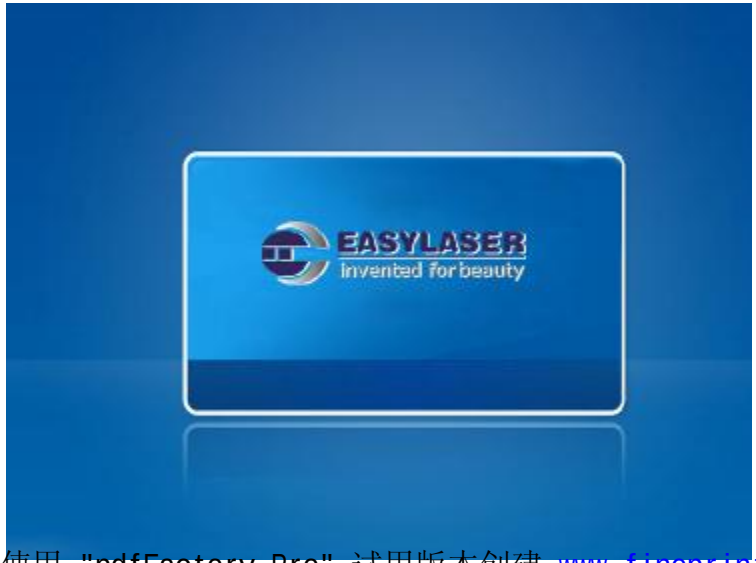
3.5.2. Turn on the master power switch on the backboard;

3.5.3.Turn on the emergency switch (clockwise turn) in the front side of the mainframe

3.6. Operation interface

Enter operation condition after debugging and no abnormalities found

Welcome interface



After the forehead, using lift skill, from the bottom up, operating on from metopion to hairline. 3-5 times should be made on each side.

●Operation of YAG

1. Eyebrow purifying (Purifying normal blue, black eyebrows)：

Set the frequency of light (three or five times each second), the head of hand piece should keep distance of one finger from skin. After the first purifying eyebrows, there is a returned color within ten to twenty minutes, then go to the second purifying for further breaking the tattooed color ,while the head of hand piece should keep two or three fingers distance more or less from the treatment part, in order to increase the absorption of body. After one month and a half, recheck whether the tattooed color is faded away completely. If not, purify again.

The eyebrows you used other way to wash it before and the skin has existing defectiveness：

Set out the frequency of light (three times each second), the head of hand piece should cling to skin tightly and increase its angle to skin, only purifying for one time is okay. After one month and a half, recheck whether the tattooed color has faded away. If not, purifying again.

Purifying brown eyebrows：

Set out the frequency of light (two to three times each second).

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The head of hand piece should keep a distance of three fingers from skin. After the first purifying, if still remain deeper color on skin, purify once again. After one month and half, recheck it again. If only red color is remained on skin, purify it with green light. When treating with green light, the head of hand piece should keep distance of one to two fingers from skin.

2. Purifying eyelid

Set the frequency of light to three times each second. The head of hand piece should be kept at a distance of about one finger from skin, and yet it is difficult to purify eyelid. It needs two or three times treatments and each treatment interval should be two months for the best result.

3. Purifying tattoos

It is the same method to remove eyelid. If the tattoo area is too big, just use one time purifying in order to avoid great damage.

4. Purifying lip-line

If tattooed with red lip-line, choose one spot at lip end for testing. If the spot turns black at once after using laser, the tattooed color must contain the iron ion. Then the patient should never purify it with laser any more.

If tattooed with poppy, rose-colored lip-line and lip, choose white light used for purifying blue and black color for the first purifying. Set the frequency of light to three or four times each second, and the head of hand piece is kept at two to three fingers distance from skin. After one month and a half, recheck it.

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The white light used for purifying blue and black color is the least damaging to skin, so when you purify any tattooed color you can use white light first to remove the deeper color of them, but the green light is harmful to skin when wash red material of color, so must be cautious to use green light.

Ⅲ. Operation Instruction

3.1 Accessories connecting Before starting the machin

3.1.1 Connect the handle and filters:

3.1.1.1. Put the E-light handle on the hanger

3.1.1.2. Connect the E-light handle to the connecting port on the back board of the machine tightly.

3.1.1.3. Install filters:

face side (letters are forward) back side (letters are reverse)

insert the filter (face up), press it tightly.

3.1.2 Check the water holes of the backboard, make sure the water outlet hole is plugged well.

3.2 Water infusing:

3.2.1 pull out the plug of the water inlet hole， insert the water funnel

3.2.2 infuse water till water spill out from the spillway hole.

3.3 Checking

3.3.1 Make sure there is no water leaking, no moisture or wet for electricity connecting parts;

VII. Warranty Policy

The warranty of equipment is one year from the date of supply. During the warranty period, we undertake to repair free for the equipment supplied against all manufacturing and workmanship defects.

The standard of operation and environment should comply with the product specification and user manual.

The warranty does not extend to any equipment that:

a. Malfunctions caused by abused operation

b. Malfunctions caused by modification or repair by anyone except EASYLASER or not authorized by EASYLASER; from which EAYLASER original serial number tag or product identification markings have been altered or removed

c. Malfunctions caused by other artificial factors like move or tear down in proper motion, or collision, etc.

d. Malfunction caused by uncontrollable natural force

e. Energy reduce caused by wet environment and dust

f. Consumable parts of the equipment: handpieces.

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